

FLO-BEADS EA-209, 2590-01-0-04E, 25 NOVEMBER 2003,

MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

<u>PRODUCT NAME</u>	FLO-BEADS EA-209
<u>NAME OF SUPPLIER</u>	SUMITOMO SEIKA CHEMICALS CO.,LTD Functional Polymers Division Functional Polymers Department.
<u>ADDRESS OF SUPPLIER</u>	5-33, 4-Chome, Kitahama, Chuoku, Osaka, Japan
<u>TELEPHONE NUMBER</u>	+81-6-6220-8549
<u>TELEFAX NUMBER</u>	+81-6-6220-8578

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>SUBSTANCE/PREPARATION</u>	SUBSTANCE
<u>CHEMICAL NAME OR GENERIC NAME</u>	Ethylene-acrylic acid copolymer
<u>CAS REGISTRY NUMBER</u>	9010-77-9
<u>CHEMICAL FORMULA</u>	$(CH_2-CH_2)_n(CH_2CHCOOH)_n$
<u>IMPURITIES CONTRIBUTING TO THE HAZARD</u>	None

3. HAZARDS IDENTIFICATION

<u>THE MOST IMPORTANT HAZARDS AND EFFECTS</u>	None
<u>PHYSICAL AND CHEMICAL HAZARDS</u>	Flammable at highly temperature.
<u>SPECIFIC HAZARDS</u>	None
<u>CLASSIFICATION</u>	Not listed in OSHA. Not listed in ACGIH.

4. FIRST-AID MEASURES

INHALATION

Remove the victim from the contamination immediately to fresh air. If breathing is weak, irregular or has stopped, open his airway, loosen his collar and belt and administer artificial respiration. And refer for medical attention.

SKIN CONTACT

Immediately flush skin with copious amount of soap water while removing powders from contaminated clothing and shoes.

EYE CONTACT

Immediately flush eyes with copious amount of clean water for at least 15 minutes and take medical treatment. Wash out mouth with water and take medical treatment.

INGESTION

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water mist, dry chemical powder, foam or carbon dioxide.

SPECIFIC HAZARD WITH REGARD TO FIRE-FIGHTING MEASURES
SPECIAL EQUIPMENT FOR THE PROTECTION OF FIREFIGHTERS

Combustible dust causes irritation.
Wear protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

ENVIRONMENTAL PRECAUTIONS

METHODS FOR CLEANING UP

RECOVERY

DISPOSAL

7. HANDLING AND STORAGE

HANDLING

TECHNICAL MEASURES

PREVENTION OF USER EXPOSURE

PREVENTION OF FIRE AND EXPLOSION

PRECAUTIONS FOR SAFE HANDLING

SPECIFIC HANDLING ADVICE

STORAGE

TECHNICAL MEASURES

STORAGE CONDITIONS

SEPARATION FROM INCOMPATIBLE PRODUCTS

SAFE PACKAGING MATERIALS

RECOMMENDED

8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING MEASURES TO REDUCE EXPOSURE

CONTROL PARAMETERS

LIMIT VALUE

BIOLOGICAL STANDARDS

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

HAND PROTECTION

EYE/FACE PROTECTION

SKIN AND BODY PROTECTION

Wear gloves, safety goggles, other protective clothing. Wash thoroughly after handling.

Avoid contact with skin or eyes.

Avoid prolonged or repeated exposure.

Wear gloves, safety goggles, other protective clothing.

Make available in the work area local ventilation.

emergency shower and eyes wash.

Keep away from heat, sparks, flame and all other ignition sources. Take ground from equipments to remove static electricity of material.

Handle a container gently, and avoid strong impact.

None

Store in a cool dry, well-ventilated location. Protect from direct sunlight. Keep away from humidity

Avoid contact with oxidant.

Stainless steel, Polyethylene etc.

Wear gloves, safety goggles, other protective clothing. Make available in the work area local ventilation.

None

Dust masks

Chemical-resistant gloves

Safety goggles, face shields

Apron, Impervious boots

Not available

None

Ensure suitable personal protection during remove of spilling.

None

Sweep and gather with a broom, then place in a waste containers.

Burn this material. Disposal should be in accordance with local, state or national legislation.

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9. PHYSICAL AND CHEMICAL PROPERTIES	PHYSICAL STATE	Solid
	FORM	Powder
	COLOUR	White
	ODOUR	Slightly characteristic odour
	TEMPERATURE/TEMPERATURE RANGE OF CHANGING	
	IN PHYSICAL STATES	
	MELTING POINT	90 - 105 °C
	FLASH POINT	Approx. 340°C
	AUTOIGNITION TEMPERATURE	>400°C
	DENSITY	0.93 - 0.96 g/cm3
	SOLUBILITY IN WATER	Insoluble
10. PHYSICAL HAZARD (STABILITY AND REACTIVITY)	STABILITY	Stable at room temperature.
	POSSIBLE HAZARDOUS REACTIONS	Flammable at highly temperature.
	CONDITIONS TO AVOID	Keep away from heat, sparks, flame and all other
	MATERIALS TO AVOID	Ignition sources.
	HAZARDOUS DECOMPOSITION PRODUCTS	Avoid contact with oxidant.
		Carbon monoxide, Carbon dioxide, Aldehyde etc.
11. TOXICOLOGICAL INFORMATION	ACUTE TOXICITY	Not available
	LOCAL EFFECTS (Irritation)	Not available
	CARCINOGENICITY	Not listed in OSHA, NTP.
		Listed in IARC" (Group 3: Not classifiable)
12. ECOLOGICAL INFORMATION	MOBILITY	Not available
	PERSISTENCE/DEGRADABILITY	Not available
	BIOACCUMULATION	Not available
	BEHAVIOR, IMPACT OR ECOTOXICITY	Not available
13. DISPOSAL CONSIDERATIONS	WASTE FROM RESIDUE	Generally, burn this material. Disposal should be
		in accordance with local, state or national
		legislation.
	CONTAMINATED PACKAGING	Follow all regulations in your country.
14. TRANSPORT INFORMATION	INTERNATIONAL REGULATIONS	None
	UN CLASSIFICATION	Not classified
	UN NUMBER	None

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